

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Eco Window Systems, LLC 9114 NW 106 Street Medley, FL 33178

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "Eco-Guard 100" Aluminum Single Hung Window - L.M.I.

APPROVAL DOCUMENT: Drawing No. W09-08, titled "Eco-Guard Series-100 Alum. S.H. Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 02/12/09, with revision C dated 02/06/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA# 13-0206.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.

(MIAMIDADE COUNTY)

14/3/14

NOA No. 14-0317.02 Expiration Date: April 08, 2019 Approval Date: April 10, 2014 Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

- 1. Manufacturer's die drawings and sections.
- 2. Drawing No W09-08, titled "Eco-Guard Series-100 Alum. S.H. Wdw. (L.M.I.)", sheets 1 through 6 of 6, dated 02/12/09, with revision C dated 02/06/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

- 1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202–94
 - 2) Large Missile Impact Test per FBC, TAS 201-94
 - 3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94

along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No.

FTL-7635, dated 12/09/14, signed and sealed by Marlin D. Brinson, P.E.

- 2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with installation diagram of a 106-1/2" wide x 76" high ECO-Guard Series 100 aluminum single hung window, prepared by Hurricane Engineering & Testing Inc. Test Report No. **HETI-08-2166A**, dated 12/15/09, signed and sealed by Candido F. Font, P.E.

(Submitted under NOA#09-0224.07)

- 3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
 - 2) Cyclic Wind Pressure Loading per FBC, TAS 203-94 along with installation diagram of a 106-1/2" wide x 76" high ECO-Guard Series 100 aluminum single hung window, prepared by Hurricane Engineering & Testing Inc. Test Report No. **HETI-08-2166C**, dated 12/15/09, signed and sealed by Candido F. Font, P.E.

(Submitted under NOA#09-0224.07)

- 4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC, TAS 20294
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Forced Entry Test, per FBC 2411 3.2.1 and TAS 202-94

along with installation diagram of a 53-1/4" wide x 76" high ECO-Guard Series 100 aluminum single hung window, prepared by Hurricane Engineering & Testing Inc. Test Report No. **HETI-08-2168**, dated 12/15/09, signed and sealed by Candido F. Font, P.E.

(Submitted under NOA#09-0224.07)

Manuel Perez, P.E. Product Control Examiner NOA No. 14-0317.02

Expiration Date: April 08, 2019 Approval Date: April 10, 2014

Eco Window Systems, LLC.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS (CONTINUED)

5. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with installation diagram of a 53-1/4" wide x 76-1/4" high ECO-Guard Series 100 aluminum single hung window, prepared by Hurricane Engineering & Testing Inc. Test Report No. HETI-08-2170, dated 12/15/09, signed and sealed by Candido F. Font, P.E.

(Submitted under NOA#09-0224.07)

C. CALCULATIONS

- 1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, dated 02/24/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
- 2. Glazing complies with ASTM E1300-09

D. **QUALITY ASSURANCE**

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. 13-0129.27 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite® PVB Interlayer" dated 04/11/13, expiring on 12/11/16.

F. STATEMENTS

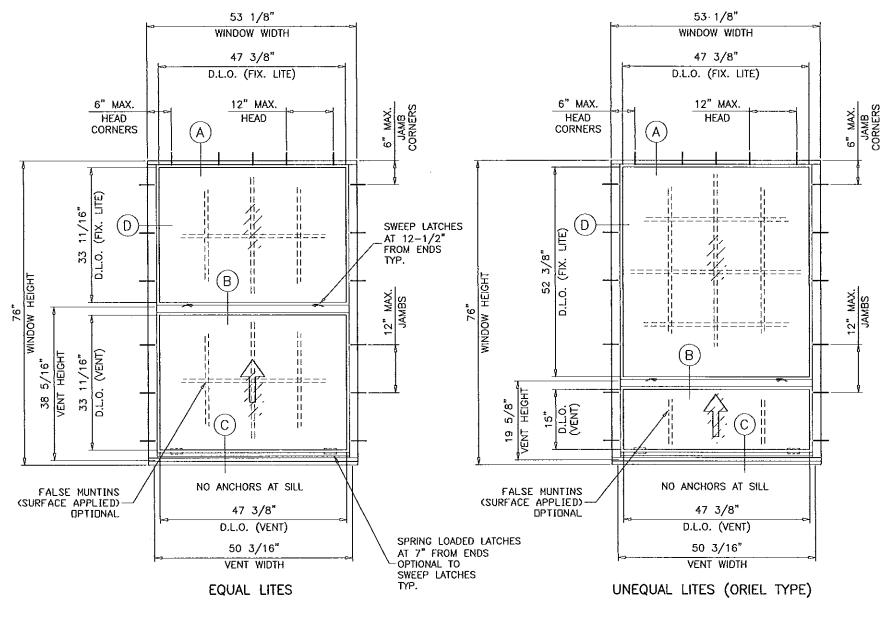
- 1. Statement letter of conformance, complying with **FBC-2010**, and of no financial interest, February 24, 2014, signed and sealed by Javad Ahmad, P.E.
- 2. Proposal issued by the Product Control Section, dated 03/25/13, signed by Jaime Gascon, P.E., Chief, Product Control Section.

G. OTHER

1. Notice of Acceptance No. 13-0206.04, issued to Eco Window Systems, LLC for their Series "Eco-Guard 100" Aluminum Single Hung Window – L.M.I.", approved on 05/02/13 and expiring on 04/08/14.

Manuel Perex, P.E. Product Control Examiner NOA No. 14-0317.02

Expiration Date: April 08, 2019 Approval Date: April 10, 2014



ECO-GUARD SERIES-100 ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

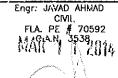
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

TYPICAL ELEVATIONS

TESTED UNITS

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.



PRODUCT REVISED as complying with the Florida Building Code Acceptance No 14-0317.02 Expiration Date 25-13.2019

Miami Dade Product Control

no date A 02.15.12 B 01.11.13 C 02.06.14 1/2"-1'-0" 02-12-<u>څ</u> drawing

AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 1235 S.W. 87 AVE MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX. (305) 262-6978

(L.M.I.) C)

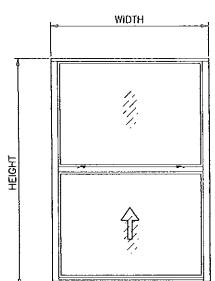
WDW.

ECO WINDOW SYSTEMS, L 9114 N.W. 106 STREET MEDLEY, FL. 33178 TEL. (305) 885-5299 FAX (305) 907

no. W09-08

sheet 1 of 6

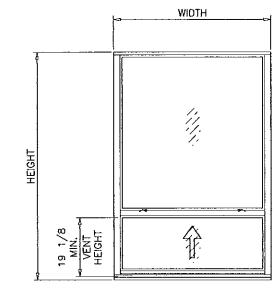
EQUAL LITES WINDOWS						
DESIGN LOAD CAPACITY - PSF						
FLANGE DIMS. GLASS TYPES 'A', 'B' & 'C'						
WIDTH	HEIGHT	EXT.(+)	1NT.(-)			
19-1/8"		75.0	90.0			
24"		75.0	90.0			
26-1/2"		75.0	90.0			
32"	26"	75.0	90.0			
37"	(3)	75.0	90.0	l		
40"		75.0	90.0			
48"		75.0	90.0			
53-1/8"		75.0	90.0			
19-1/8"		75.0	90.0	ļ		
24"		75.0	90.0			
26-1/2*		75.0	90.0			
32"	38-3/8"	75.0	90.0			
37"	(3)	75.0	90.0			
40"		75.0	90.0			
48"		75.0	90.0			
53-1/8"		75.0	90.0			
19-1/8"		75.0	90.0			
24"		75.0	90.0			
26-1/2*		75.0	90.0	ļ ģ		
32"	50-5/8"	75.0	90.0	JAMB		
37"	(4)	75.0	90.0	PER		
40"		75.0	90.0			
48"		75.0	90.0	P.S		
53-1/8"		75.0	90.0	ANCHORS		
191/8"		75.0	90.0	Į ž		
24"		75.0	90.0	9.		
26-1/2"		75.0	90.0	1 .		
32"	63"	75.0	90.0	Š		
37"	(5)	75.0	90.0	ATE		
40"		75.0	90.0	- ₹		
48"		75.0	90.0	ğ		
53-1/8"		75.0	90.0	= S		
19-1/8"	ļ	75.0	90.0	ESI		
24"		75.0	90.0	ΙĒ		
26-1/2"		75.0	90.0	 		
32"	76*	75.0	90.0	Į ¥		
37"	(6)	75.0	90.0	Į z		
40"		75.0	90.0	ļ <u>,</u>		
48"		75.0	90.0	* NO. IN PARENTHESIS INDIC		
53-1/8"	1	75.0	90.0	*		



EQUAL LITES

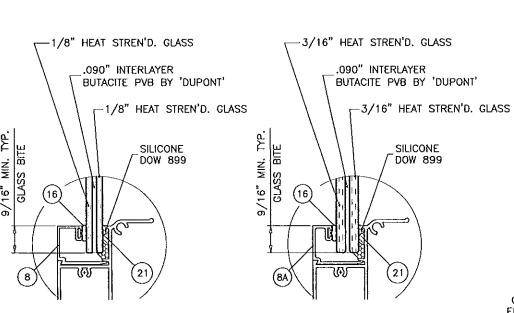
UNEQUAL LITES WINDOWS						
DESIGN LOAD CAPACITY - PSF						ŀ
FLANGE DIMS.		GLASS TYPE 'A'		GLASS TYPES 'B' & 'C'		
WIDTH	HEIGHT	EXT.(+)	1NT.(-)	EXT.(+)	1NT.()	
19-1/8"		75.0	90.0	75.0	90.0	
24"		75.0	90.0	75.0	90.0	
26-1/2"		75.0	90.0	75.0	90.0	ωį.
32"	50-5/8"	75.0	90.0	75.0	90.0	JAMB.
37"	(4)	75.0	90.0	75.0	90.0	
40"		75.0	90.0	75.0	90.0	PER
48"		75.0	90.0	75.0	90.0	S.
53-1/8"		75.0	90.0	75.0	90.0	모
19-1/8"		75.0	90.0	75.0	90.0	ANCHORS
24*		75.0	90.0	75.0	90.0	ĺ
26-1/2"		75.0	90.0	75.0	90.0	P
32"	63"	75.0	90.0	75.0	90.0	Š
37"	(5)	75.0	90.0	75.0	90.0	
40"		75.0	90.0	75.0	90.0	INDICATE
48"		-	_	75.0	90,0	ĕ
53-1/8"		-		75.0	90.0	ŀ
19-1/8"		75.0	90.0	75.0	90.0	PARENTHESIS
24"		75.0	90.0	75.0	90.0	Ϊ
26-1/2"		75.0	90.0	75.0	90.0	
32"	76"	75.0	90.0	75.0	90.0	Ă
37*	(6)	-	-	75.0	90.0	ı
40"			-	75.0	90.0	ĭ
48"		-		75.0	90.0	9
53-1/8"		_		75.0	90.0] *
33 1/3		<u> </u>	1	70.0	00.0	J ~

CARDINAL XL EDGE SPACER-ST. STEEL

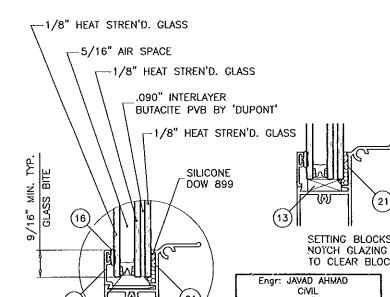


UNEQUAL LITES (ORIEL TYPE)

TO QUALIFY FOR SMALL MISSILE IMPACT RATING EXTERIOR PLY OF GLASS TYPE 'C' MUST BE TEMPERED.



GLASS TYPE 'A'



GLASS TYPE 'C'

SETTING BLOCKS AT INSUL. LAM. GLASS NOTCH GLAZING BEAD LEG TO CLEAR BLOCKS

Engr: JAVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538

1,2014

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 4-0317.6
Expiration Date 5 Product Control
Migmi Dade Product Control

By Miami Dade Product Control

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drawing no. W09 - 08

sheet 2 of 6

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-09 (3 SEC. GUSTS) AND FLORIDA BUILDING COMMISSION DECLARATORY STATEMENT DCA05-DEC-219

GLAZING OPTIONS

GLASS TYPE 'B'

ECO-GUARD SERIES-100 ALUM S.H. WDW.

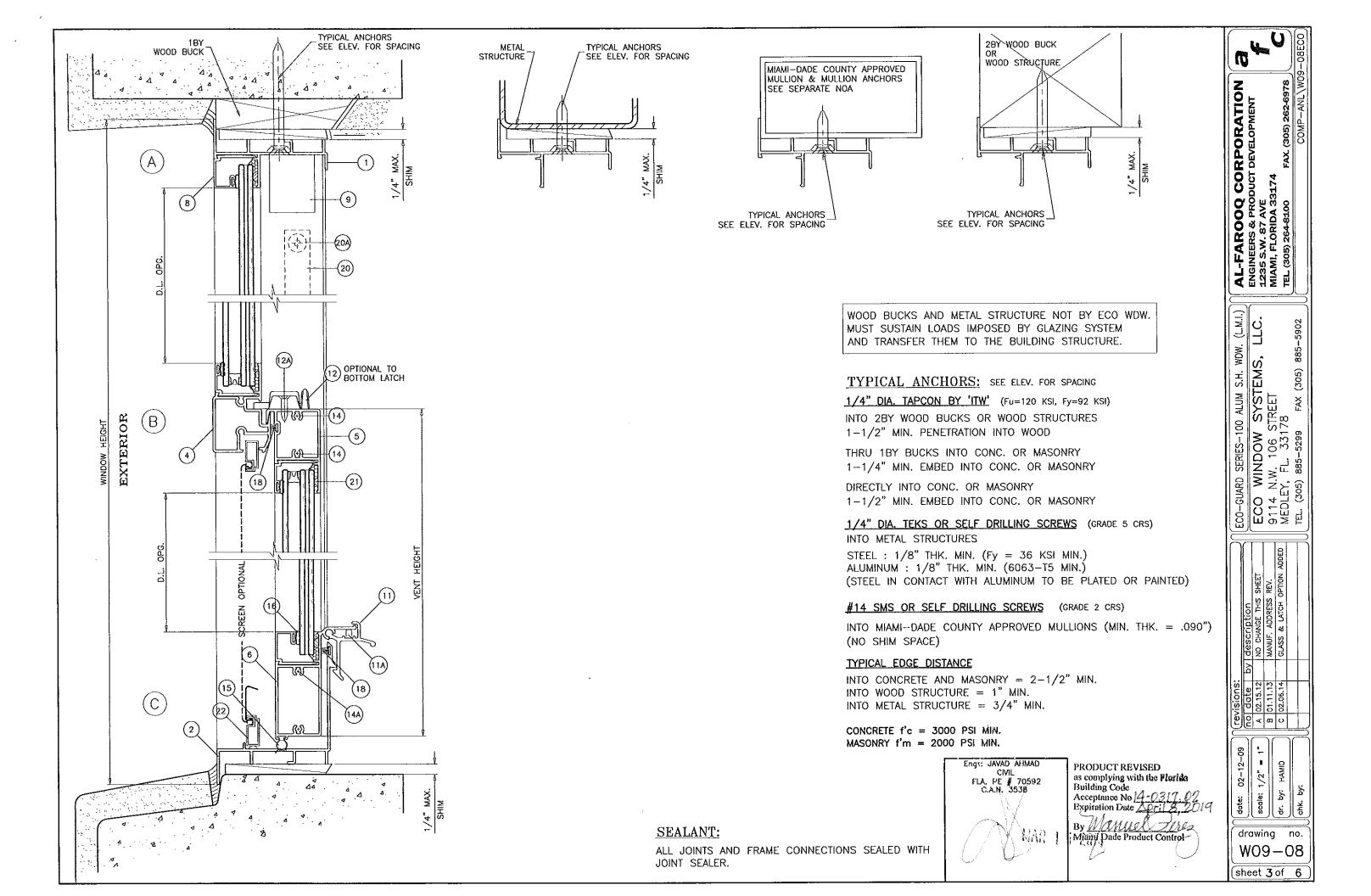
ECO WINDOW SYSTEMS, I 9114 N.W. 106 STREET MEDLEY, FL. 33178

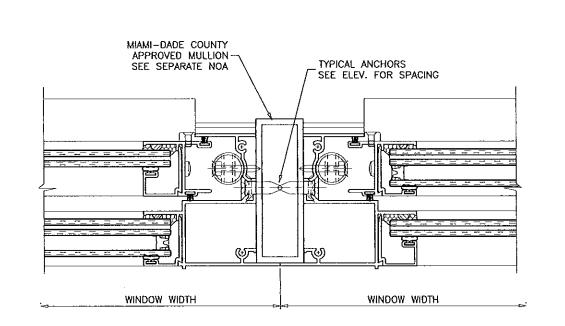
TEL (305) 885-5299 FAX (305) 885-

(L.M.I.)

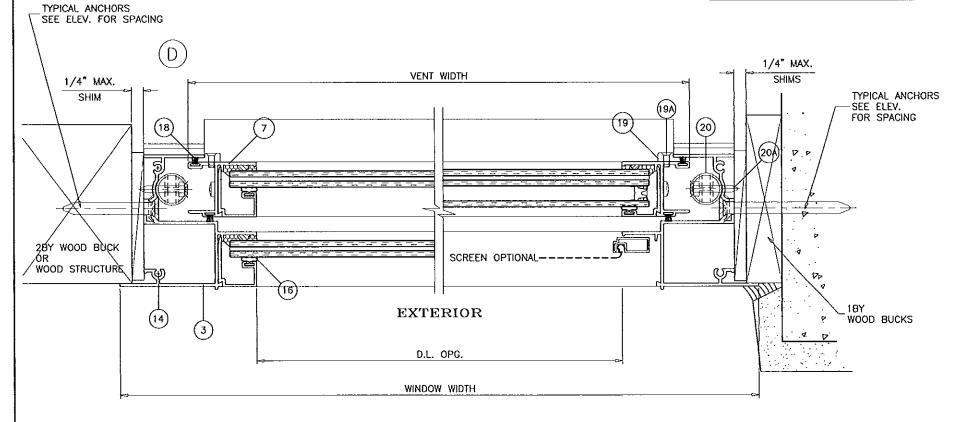
ECO-GUARD :

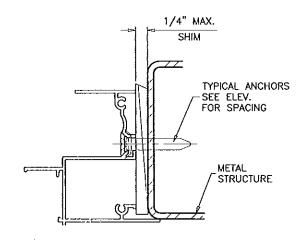
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 2648100 FAX. (305) 262-6978





ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	FY101	1	FRAME HEAD	6063-T6	-
2	FY115	1	FRAME SILL	6063-T6	-
3	FY103	2	FRAME JAMB	6063-T6	_
4	FY104	1	FIXED MTG. RAIL	6063-T6	
5	FY105	1	VENT TOP RAIL	6063-T6	_
6	FY114	1	VENT BOTTOM RAIL	6063-T6	_
7	FY107	2	VENT SIDE RAIL	6063-T6	_
8	FY108	AS RQD.	GLAZING BEAD (5/16" LAM. GLASS)	6063-T6	_
8A	FY109	AS RQD.	GLAZING BEAD (7/16" LAM. GLASS)	6063~T6	-
88	FY110	AS RQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	_
9	FY116	2/VENT	SASH STOP	6063-T5	_
11	FY113	2/VENT	SPRING LOADED LATCH, AT 7" FROM ENDS	6063~T6	
11A	_	1/ LATCH	LATCH SPRING	ST. STEEL	_
12	SL203P	2/VENT	SWEEP LATCH, AT 12-1/2" FROM ENDS	ZAMAK	SULLIVAN & ASSOC.
12A	#8 X 5/8"	2/ LATCH	LATCH INST. SCREWS	ST. STEEL	FH SMS
13		2/ LITE	SETTING BLOCK	EPDM	_
14	#8 X 1"	AS REQD.	FRAME & VENT ASSEMBLY SCREWS	CRS	PH SMS
14A	#8 X 3/8"	2/ VENT	BOTTOM RAIL ASSEMBLY SCREWS	CRS	PH SMS
15	E207	AS REQD.	BOTTOM RAIL SEAL - SERIES 101	NEOPRENE	ULTRAFAB
16	E203	AS REQD.	GLAZING BEAD BULB	SANTOPRENE	ULTRAFAB
18	W23181	AS REQD.	FIN SEAL W'STRIPPING	_	ULTRAFAB
19	FY117	4/ VENT	SASH GUIDE	CELCON	M&M PLASTICS
19A	#6 X 3/8"	1/ GUIDE	SASH GUIDE INST. SCREW	CRS	OH SMS TYPE B
20	F210	2/VENT	SASH BALANCE	_	SUPERBOOST BY BSI
20A	#8 X 5/8"	1/ BALANCE	BALANCE INST. SCREW	_	P FH SMS
21	_	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE
22	_	1	5/16" BOX SCREEN	-	OPTIONAL
23	FY120	-	FLUSH FRAME ADAPTER	6063-T6	OPTIONAL.





Engr: JAVAD AHMAD CIVIL FLA. PE # 70592 C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 4-0317-07
Expiration Date April 1999
'Miami/Dade, Product Control

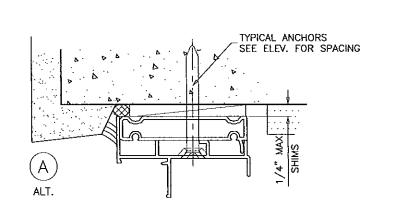
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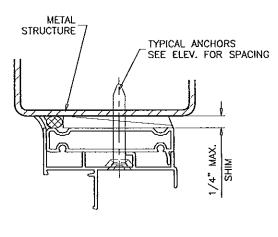
sheet 4 of 6

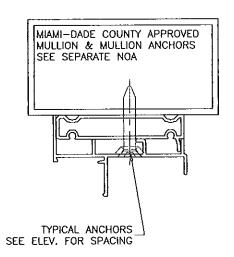
revisions:
no date
A 02.15.12
B 01.11.13
C 02.06.14

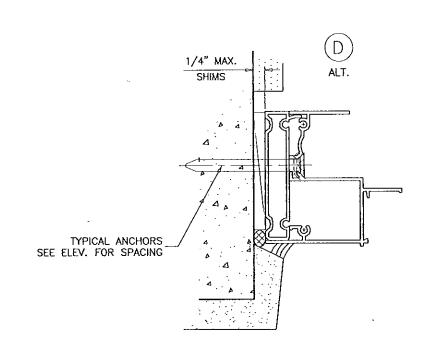
/. (L.M.I.) LLC. ECO-GUARD SERIES-100 ALUM S.H. WDW. (L ECO WINDOW SYSTEMS, LL 9114 N.W. 106 STREET MEDLEY, FL. 33178 TEL. (305) 885-5299 FAX (305) 885-59

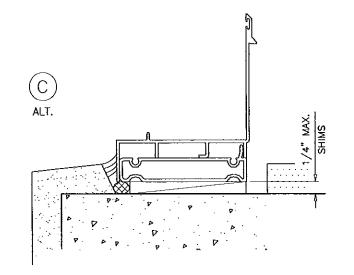
AL-FAROOQ CORPORATION
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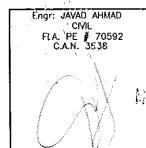








INSTALLATION DETAILS WITH FLUSH FRAME ADAPTER



PRODUCT REVISED
as complying with the Florida
Building Code

date: 02-12 scale: 1/2" , dr. by: HAMII drawing no. W09-08 sheet 5 of 6

02-12-

by: HAMID

Building Code
Acceptance No 4-0317.02
Expiration Date April 8, 1019
By Manuel Selection Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX. (305) 262-6978

ECO-GUARD SERIES-100 ALUM S.H. WDW. (L. ECO WINDOW SYSTEMS, LL. 9114 N.W. 106 STREET MEDLEY, FL. 33178
TEL. (305) 885-5299 FAX (305) 885-599

FAX (305) 885-5902

